

**Received in the U.S. Patent and Trademark Office**

**In re Application of:** Gino DiLullo et al.

**Filed:** Herewith; **USSN:** Unknown

**Title:** HIGH TEMPERATURE FLEXIBLE  
CEMENTING COMPOSITIONS AND METHODS  
FOR USING SAME

**Enclosed herewith**

1. Request For Filing A Patent Application Under 37 CFR 1.53
2. Preliminary Amendment
3. Copy of latest signed prior application including copy of declaration as filed
4. Submission of Formal Drawings
5. 3 sheets of Formal Drawings
6. Information Disclosure Statement
7. PTO Form 1449
8. Check in the amount of \$770.00
9. Our return postcard

**Atty. Dkt.:** BJSC:296D1

**Atty.:** WVE/mj

**Mailed:** 4/8/04

✓ *Enpro*  
17947 U.S. PTO  
10/820978



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: GINO A. DILULLO ET AL.

Filed: HEREWITH

For: HIGH TEMPERATURE FLEXIBLE CEMENTING COMPOSITIONS  
AND METHODS FOR USING SAME

Serial No.: UNKNOWN

Group Art Unit: UNKNOWN

Examiner: UNKNOWN

Atty Dkt: BJSC:296D1

NUMBER: EV302900230US

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service, postage prepaid, under 37 CFR 1.10 on the date indicated above and is address to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature

Date

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, it is respectfully requested that this Information Disclosure Statement be entered and the document(s) listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

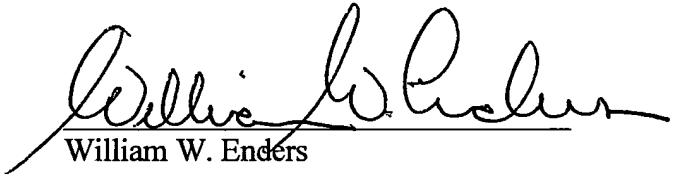
The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in

accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Deposit Account No. 10-1205/BJSC:296D1.

Copies of the listed documents required by 37 CFR 1.98(a)(2) have been previously submitted in the parent application serial no. 10/068,787.

Applicant respectfully requests that the listed document(s) be made of record in the present case.

Respectfully submitted,



William W. Enders  
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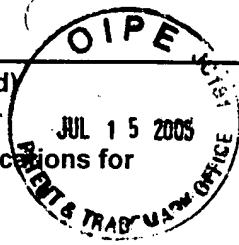
Enclosures

Form PTO-1449 (modified)

List of Patents and Publications for  
Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

U.S. Patent Documents  
See Pages 1-3Foreign Patent Documents  
See Pages 3-4Other Art  
See Pages 4-6Atty. Docket No.  
BJSC:296D1Serial No.  
UNKNOWNApplicants:  
GINO A. DILULLO ET AL.Filing Date:  
HEREWITHGroup Art Unit:  
UNKNOWN

U.S. Patent Documents							
Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,688,844	11/18/97	Chatterji et al.			7/1/96
	A2	5,588,488	12/31/96	Vijn et al.			8/22/95
	A3	5,564,503	10/15/96	Longbottom et al.			8/26/94
	A4	5,484,019	01/16/96	Griffith			11/21/94
	A5	5,421,409	06/06/95	Mueller et al.			3/30/94
	A6	5,293,938	03/15/94	Onan et al.			10/13/92
	A7	5,183,506	02/02/93	Zhang			3/5/92
	A8	5,159,980	11/03/92	Onan et al.			7/27/91
	A9	5,125,455	06/30/92	Harris et al.			1/8/91
	A10	5,106,423	04/21/92	Clarke			6/24/91
	A11	5,058,679	10/22/91	Hale et al.			3/19/91
	A12	4,968,349	11/06/90	Virtanen			3/17/87
	A13	4,957,556	09/18/90	Kunbargi			6/8/89
	A14	4,902,170	02/20/90	Knox et al.			11/16/88
	A15	4,640,361	02/03/87	Smith et al.			12/13/85
	A16	4,478,640	10/23/84	Holland			3/12/84
	A17	4,328,036	05/04/82	Nelson et al.			12/19/80
	A18	4,274,881	06/23/81	Langton et al.			1/14/80
	A19	4,257,483	03/24/81	Morris et al.			1/11/79
	A20	4,132,555	01/02/79	Barrable			11/4/76
	A21	4,102,400	07/25/78	Crinkelmeyer et al.			6/17/77
	A22	3,887,385	06/03/75	Quist et al.			5/9/74

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)		Atty. Docket No. BJSC:296D1	Serial No. UNKNOWN
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicants: GINO A. DILULLO ET AL.	
		Filing Date: HEREWITH	Group Art Unit: UNKNOWN
U.S. Patent Documents See Pages 1-3	Foreign Patent Documents See Pages 3-4	Other Art See Pages 4-6	

U.S. Patent Documents							
Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A23	3,563,313	02/16/71	Spangle			7/25/69
	A24	4,482,379	11/13/84	Dibrell et al.			10/3/83
	A25	5,571,318	11/5/96	Griffith et al.			8/31/95
	A26	3,581,825	6/1/71	Messenger			12/9/69
	A27	4,202,413	5/13/80	Messenger			11/15/78
	A28	4,300,633	11/17/81	Stewart			6/5/80
	A29	6,230,804	5/15/01	Mueller et al.			12/19/97
	A30	5,158,613	10/27/92	Sargeant et al.			11/3/88
	A31	5,343,950	9/6/94	Hale et al.			10/22/92
	A32	5,569,324	10/29/96	Totten et al.			6/2/95
	A33	5,711,383	1/27/98	Terry et al.			4/19/96
	A34	5,711,801	1/27/98	Chatterji et al.			9/25/96
	A35	5,851,960	12/22/98	Totten et al.			10/23/97
	A36	6,145,591	11/14/00	Go Boncan et al.			12/12/97
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	A39	5,641,018	6/24/97	King			1/12/95
	A40	5,806,594	9/15/98	Stiles et al.			3/31/97
	A41	5,271,469	12/21/93	Brooks et al.			4/8/92
	A42	5,348,093	9/20/94	Wood et al.			8/19/92
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	A44	4,967,839	11/6/90	Carpenter et al.			10/23/89
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	A46	5,705,237	1/6/98	Andersen et al.			6/6/95
	A47	5,660,625	8/26/97	Helmholtz et al.			7/5/94
	A48	5,351,759	10/4/94	Nahm et al.			10/22/92
	A49	2,846,327	8/5/58	J.A. Wood et al.			8/10/54
	A50	6,554,067	4/29/03	Davies et al.			5/14/01
	A51	3,990,903	11/9/76	Mallow			4/16/75

Foreign Patent Documents							
Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	GB 0920446A	3/6/63	United Kingdom			English document
	B2	GB 1469954A	4/14/77	United Kingdom			English Document (related to U.S. Patent No. 3,887,385, cited as reference A22)
	B3	WO 89/02878	4/6/89	PCT			English document
	B4	JP 10216628A	2/7/97	Japan			English Abstract
	B5	SU 1636367A	3/23/91	Soviet Union			English Abstract
	B6	WO 00/20350	04/13/00	PCT			English document
	B7	WO 00/37387	06/29/00	PCT			English document
	B8	GB 2353523	02/28/01	United Kingdom			English document
	B9	GB 2354236	03/21/01	United Kingdom			English document

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Foreign Patent Documents							
Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B10	WO 98/54108	12/3/98	WO			
	B11	891891	12/23/81	SU			Yes - Abstract Only

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)		
Exam. Init.	Ref. Des.	Citation
	C1	Hogg, "Comparison of Multilateral Completion Scenarios and Their Application," SPE 38493, Society of Petroleum Engineers, Inc.; Offshore Europe Conference held in Aberdeen, Scotland, September 9-12, 1997
	C2	Morsy, et al., "Microstructure and Hydration Characteristics of Artificial Pozzolana-Cement Pastes Containing Burnt Kaolin Clay," Cement and Concrete Research, 27(9), 1307, 1997
	C3	"MetaMax® High Reactivity Metakaolin (HRM) for Improved Pre-cast Concrete," Engelhard Corporation Pigments and Additives Group, C-8-E, January 1997, 7 pages
	C4	Thiercelin, et al. "Cement Design Based on Cement Mechanical Response," SPE 38598, Society of Petroleum Engineers, Inc.; SPE Annual Technical Conference and Exhibition held in San Antonio, Texas, October 5-8, 1997
	C5	Marsh, "An alternative to silica fume?" Concrete Products, EC-6729, November 1994
	C6	"Horizontal Drilling: Multi-Lateral and Twinned Wells," Sperry-Sun Drilling Services, 1993
	C7	Low, et al., "The Flexural Toughness and Ductility of Portland Cement-Based Binders Reinforced With Wollastonite Micro-Fibres," Cement and Concrete Research, 24(2), 250, 1994
	C8	Low, et al., "Flexural Strength and Microstructure of Cement Binders Reinforced With Wollastonite Micro-Fibres," 10 pages
	C9	Rieger, et al., "Talc, Pyrophyllite, and Wollastonite", pp 38-40, 42-44

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)		
Exam. Init.	Ref. Des.	Citation
	C10	M-90-339 Silicate Portland Cement Admixture, Engelhard Corporation, Specialty Minerals and Colors
	C11	Ratinov, et al., "Chap. 8 - Antifreezing Admixtures" in Concrete Admixtures Handbook, Properties, Science, and Technology, Edited by V. S. Ramachandran, pp. 430-463, 1984
	C12	Ramachandran, V.S., "Concrete Admixtures Handbook Properties, Science, and Technology," Noyes Publications, Library of Congress No. 84-4125 (1984)
	C13	Caldarone et al., "High-Reactivity Metakaolin: A New Generation Mineral Admixture," 6 pages (authorized reprint from: November 1994 issue of Concrete International)
	C14	Engelhard Corporation "MetaMax® EF High Reactivity Metakaolin (HRM) Pozzolan Mineral Admixture" 2 pages (1997)
	C15	Engelhard "What Makes MetaMax® High Reactivity Metakaolin Stand Out? Let Us Enlighten You" 1 page, (1996)
	C16	Kuennen, "Metakaolin might" Concrete Products, 4 pages (May 1996)
	C17	Gruber et al., "Exploring The Pozzolan Activity of High Reactivity Metakaolin," World Cement Research and Development, 6 pages (February 1996)
	C18	Improve Cement-Based Products with High Reactivity Metakaolin 2 pages
	C19	Khatib et al., "Sulphate Resistance of Metakaolin Mortar," Cement and Concrete Research, Vol. 28, No.1 pp. 83-92 (1998)
	C20	American Petroleum Institute, "Cement Sheath Evaluation" API Technical Report 10TR1 First Edition (June 1996)
	C21	Thrush, "A dictionary of mining, mineral, and related terms," compiled and edited by Paul W. Thrush and the Staff of the Bureau of Mines, [Washington] U.S. Department of the Interior, Bureau of Mines, Pgs. 162, 606 and 696, (1968)
	C22	Suman, et al. "World Oil Cementing Hand Book" (1977)
	C23	Jutten, et al., Dowell Schlumberger, "Relationship Between Cement Composition, Mechanical Properties and Cement-Bond-Log Output", SPE 16652, pp. 75-82 (February 1989)

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)		
Exam. Init.	Ref. Des.	Citation
	C24	Parcevaux, et al., "Cement Shrinkage and Elasticity: A New Approach for A Good Zonal Isolation" SPE 13176, (1984)
	C25	Goodwin, Mobil E&P Services Inc. and R.J. Crook, Halliburton Services, "Cement Sheath Stress Failure" SPE 20453 (December 1992)
	C26	Carpenter, et al., Arco Oil & Gas Co., "Effects of Temperature and Cement Admixes on Bond Strength" SPE 22063 (May 31 1991)
	C27	Eilers, et al., "High Temperature Cement Compositions: Pectolite, Scawtite, Truscotite or Xonolite, Which Do You Want?" SPE 9286 (July 1983)
	C28	Mueller, "An Evaluation of Well Cements for Use in High Stress Environments," Hart's Petroleum Engineer International, pp. 91-93 (April 1998)
	C29	"MPA-3 Product Information," BJ Services Company Latin America Region (this reference was made available to the public prior to the February 15, 2001 filing date of United States Provisional Patent Application No. 60/269,153, to which the present United States Patent Application Serial No. 10/068,787 claims priority)
	C30	U.S. Patent Application Serial No. 09/662,074 entitled "COMPOSITIONS AND METHODS FOR CEMENTING USING ELASTIC PARTICLES" by Brannon, et al. on September 14, 2000 (BJSC:285)
	C31	K.R. Backe, "Characterizing Curing-Cement Slurries By Permeability, Tensile Strength and Shrinkage," SPE Drill & Completions 14, Norwegian U. of Science and Technology, September 3, 1999, Pgs. 162-167.
	C32	"Well Cementing," Erik B. Nelson ed., Schlumberger Educational Services, Elsevier Science Publishing Company Inc., 1990, Pgs. 3-31 to 3-35.
	C33	U.S. Patent Application Serial No. 09/664,490 entitled "METHODS AND COMPOSITIONS FOR USE IN CEMENTING IN COLD ENVIRONMENTS" by Go Boncan on August 23, 2000 (BJSC:284)

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